

Valve Automation - Butterfly Valves

DynaFly 30/32 Series

Process, Dry Bulk, Cement, and General Industrial Applications

Nylon Coated Disc (Lug/Wafer) Electrically Actuated

175 PSI CWP

The **DynaFly 30 Wafer and 32 Lug Series** offer versatility and value—all in one compact package. Pre-sized and preassembled with our MA series electric actuators, these valves come

Sizes
2"-12"

standard with ductile iron body, Nylon 11 coated ductile iron disc, and abrasion-resistant black nitrile seat. Nylon 11 is an FDA approved vegetable based thermoplastic. Nylon 11 is also resistant to mold and fungus, provides a high level of corrosion resistance, has a durable surface and a low coefficient of friction. Other voltages and seat materials are available on request.

(PLEASE CALL DynaQuip Customer Service for recommendations and actuator sizing when dirty or severe service applications are needed.)

Electric Actuator details and accessories can be found on pages 26 and 27.

- **Wafer or Lug Style Ductile Iron Body**
- **Nylon 11 Coated Ductile Iron Disc**
- **17-4 pH Stainless Steel Stub Shafts**
- **Meets ANSI 125/150 Flange Standards**
- **Two-Piece Shaft Design Allows for Thinner Profile Disc and Improved Flow Rates**
- **Nema 4 Housing with Manual Override and Handwheel**
- **Self-locking Gear Train and Reversing Motor**



Electric Actuated		120 VAC	230 VAC (1-ph)	230 VAC (3-ph)	460 (3-ph)
Size	Body Type	DynaQuip Model Number	DynaQuip Model Number	DynaQuip Model Number	DynaQuip Model Number
2"	Wafer	30F21302E01	30F21302E01B	30F21302E01F	30F21302E01G
3"	Wafer	30F21303E01	30F21303E01B	30F21303E01F	30F21303E01G
4"	Wafer	30F21304E01	30F21304E01B	30F21304E01F	30F21304E01G
5"	Wafer	30F21305E02	30F21305E02B	30F21305E02F	30F21305E02G
6"	Wafer	30F21306E02	30F21306E02B	30F21306E02F	30F21306E02G
8"	Wafer	30F21308E03	30F21308E03B	30F21308E03F	30F21308E03G
10"	Wafer	30F21310E04	30F21310E04B	30F21310E04F	30F21310E04G
12"	Wafer	30F21312E05	30F21312E05B	30F21312E05F	30F21312E05G

Electric Actuated		120 VAC	230 VAC (1-ph)	230 VAC (3-ph)	460 (3-ph)
Size	Body Type	DynaQuip Model Number	DynaQuip Model Number	DynaQuip Model Number	DynaQuip Model Number
2"	Lug	32F21302E01	32F21302E01B	32F21302E01F	32F21302E01G
3"	Lug	32F21303E01	32F21303E01B	32F21303E01F	32F21303E01G
4"	Lug	32F21304E01	32F21304E01B	32F21304E01F	32F21304E01G
5"	Lug	32F21305E02	32F21305E02B	32F21305E02F	32F21305E02G
6"	Lug	32F21306E02	32F21306E02B	32F21306E02F	32F21306E02G
8"	Lug	32F21308E03	32F21308E03B	32F21308E03F	32F21308E03G
10"	Lug	32F21310E04	32F21310E04B	32F21310E04F	32F21310E04G
12"	Lug	32F21312E05	32F21312E05B	32F21312E05F	32F21312E05G

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DynaFly 30/32 Series

Process, Dry Bulk, Cement, and General Industrial Applications

Nylon Coated Disc (Lug/Wafer) Pneumatic Actuated

175 PSI CWP

The **DynaFly 30 Wafer and 32 Lug Series** offer versatility and value—all in one compact package. Pre-sized and preassembled with our AP series pneumatic

Sizes
2"-12"

actuators, these valves come standard with ductile iron body, Nylon 11 coated ductile iron disc, and abrasion-resistant black nitrile seat. Nylon 11 is an FDA approved vegetable based thermoplastic. Nylon 11 is also resistant to mold and fungus, provides a high level of corrosion resistance, has a durable surface and a low coefficient of friction. Pilot solenoids, positioners, or other sizes and materials are available on request.

(PLEASE CALL DynaQuip Customer Service for recommendations and actuator sizing when dirty or severe service applications are needed.)

Pneumatic Actuator details and accessories can be found on pages 28 and 29.

- Wafer or Lug Style Ductile Iron Body
- Nylon11 Coated ductile iron disc
- 17-4 pH Stainless Steel Stub Shafts
- Meets ANSI 125/150 Flange Standards
- Two-Piece Shaft Design Allows for Thinner Profile Disc and Improved Flow Rates
- Double Acting or Spring Return Dual Rack & Pinion Actuators



Pneumatic Actuated		With Double Acting Actuator	With Spring Return (FC) Actuator	With Spring Return (FO) Actuator
Size	Body Type	DynaQuip Model Number	DynaQuip Model Number	DynaQuip Model Number
2"	Wafer	30F21302D31	30F21302S324	30F21302S324F
3"	Wafer	30F21303D32	30F21303S065	30F21303S065F
4"	Wafer	30F21304D33	30F21304S354	30F21304S354F
5"	Wafer	30F21305D34	30F21305S094	30F21305S094F
6"	Wafer	30F21306D08	30F21306S105	30F21306S104F
8"	Wafer	30F21308D10	30F21308S386	30F21308S384F
10"	Wafer	30F21310D38	30F21310S404	30F21310S404F
12"	Wafer	30F21312D39	30F21312S415	30F21312S414F

Pneumatic Actuated		With Double Acting Actuator	With Spring Return (FC) Actuator	With Spring Return (FO) Actuator
Size	Body Type	DynaQuip Model Number	DynaQuip Model Number	DynaQuip Model Number
2"	Lug	32F21302D31	32F21302S324	32F21302S324F
3"	Lug	32F21303D32	32F21303S065	32F21303S065F
4"	Lug	32F21304D33	32F21304S354	32F21304S354F
5"	Lug	32F21305D34	32F21305S094	32F21305S094F
6"	Lug	32F21306D08	32F21306S105	32F21306S104F
8"	Lug	32F21308D10	32F21308S386	32F21308S384F
10"	Lug	32F21310D38	32F21310S404	32F21310S404F
12"	Lug	32F21312D39	32F21312S415	32F21312S414F

Electric DynaFly Numbering Guide

6 2 F 6 1 3 0 6 E 0 2 F

Series Body/Disc Trim Seat Valve Size Electric Actuator Options

Series
30 - Wafer Resilient Seat-Nylon
32 - Lug Resilient Seat-Nylon
50 - Wafer Resilient Seat
52 - Lug Resilient Seat
60 - Wafer Cartridge Seat
62 - Lug Cartridge Seat
89 - Wafer Resilient (Split Body) Seat
82 - Lug Resilient (Split Body) Seat

Body/Disc Trim
F1 - (169) Cast Iron / Ductile Iron
F2 - (170) Ductile Iron / Nylon 11 Coated Iron
F3 - (174) Aluminum / Ductile Iron
F4 - (175) Aluminum / Alum-Bronze
F5 - (180) Aluminum / Nylon
F6 - (182) Ductile Iron / Ductile Iron
F7 - (185) Ductile Iron / Aluminum Bronze
F8 - (705) SS / Teflon® coated SS
F9 - (755) SS / SS
FA - (822) Ductile Iron / SS
FB - (828) Aluminum / SS
FC - (823) Cast Iron / SS
FD - (508) Ductile Iron / Teflon
FF - (163) Cast Iron / Bronze
Substitute "U" for "F" to designate undercut disc

Seat
03 - (515) EPDM
07 - (540) Viton®
08 - (561) Silicone
11 - (650) PTFE coated EPDM
12 - (652) PTFE coated BUNA-N
13 - (700) All Season Nitrile

Valve Size
02 - 2"
25 - 2 1/2"
03 - 3"
04 - 4"
05 - 5"
06 - 6"
08 - 8"
10 - 10"
12 - 12"
14 - 14"
16 - 16"
18 - 18"
20 - 20"
24 - 24"
30 - 30"

Electric Actuators
E01 - MA7
E02 - MA13
E03 - MA35
E04 - MA44
E05 - MA57
E06 - MA88
E08 - MA132
E09 - MA177
E10 - MA221
E11 - MA265
E12 - MA309
E13 - MA20



Electric Actuator Options
MA Series
B - 220 VAC PH1
C - 24 VAC PH1
D - 12 VDC
E - 24 VDC
F - 230 VAC PH3
G - 460 VAC PH3

Pneumatic DynaFly Numbering Guide

6 2 F A 0 3 1 4 S 4 0 5 D 1

Series

Body/Disc Trim

Seat

Valve Size

Pneumatic Actuator

Options

Series

30 - Wafer Resilient Seat-Nylon
 32 - Lug Resilient Seat-Nylon
 50 - Wafer Resilient Seat
 52 - Lug Resilient Seat
 60 - Wafer Cartridge Seat
 62 - Lug Cartridge Seat
 89 - Wafer Resilient (Split Body) Seat
 82 - Lug Resilient (Split Body) Seat

Body/Disc Trim

F1 - (169) Cast Iron / Ductile Iron
 F2 - (170) Ductile Iron /Nylon 11 Iron
 F3 - (174) Aluminum / Ductile Iron
 F4 - (175) Aluminum / Alum-Bronze
 F5 - (180) Aluminum / Nylon
 F6 - (182) Ductile Iron / Ductile Iron
 F7 - (185) Ductile Iron / Aluminum Bronze
 F8 - (705) SS / Teflon® coated SS
 F9 - (755) SS / SS
 FA - (822) Ductile Iron / SS
 FB - (828) Aluminum / SS
 FC - (823) Cast Iron / SS
 FD - (508) Ductile Iron / Teflon
 FF - (163) Cast Iron / Bronze
 Substitute "U" for "F" to designate undercut disc

Seat

03 - (515) EPDM
 07 - (540) Viton®
 08 - (561) Silicone
 11 - (650) PTFE coated EPDM
 12 - (652) PTFE coated BUNA-N
 13 - (700) All Season Nitrile

Valve Size

02 - 2"	06 - 6"	16 - 16"
25 - 2 1/2"	08 - 8"	18 - 18"
03 - 3"	10 - 10"	20 - 20"
04 - 4"	12 - 12"	24 - 24"
05 - 5"	14 - 14"	30 - 30"

Spring Return Pneumatic Actuators

S012 - AP10SR2
 S022 - AP20SR2
 S023 - AP20SR3
 S024 - AP20SR4
 S033 - AP30SR3
 S034 - AP30SR4
 S054 - AP52SR4
 S064 - AP73SR4
 S065 - AP73SR5
 S074 - AP103SR4
 S075 - AP103SR5
 S084 - AP148SR4
 S094 - AP222SR4
 S103 - AP295SR3
 S104 - AP295SR4
 S105 - AP295SR5
 S114 - AP470SR4
 S115 - AP470SR5
 S315 - APU30SR5
 S325 - APU52SR5
 S335 - APU73SR5
 S345 - APU103SR5
 S355 - APU148SR5
 S365 - APU222SR5
 S374 - APU295SR4
 S375 - APU295SR5
 S384 - APU470SR4
 S385 - APU470SR5
 S395 - APU586SR5
 S405 - APU900SR5
 S415 - APU1213SR5
 S425 - APU2366SR5
 S435 - APU2958SR5
 S445 - APU3720SR5

Double Acting Pneumatic Actuators

D01 - AP10DA	D09 - AP222DA	D37 - APU295DA
D02 - AP20DA	D10 - AP295DA	D38 - APU470DA
D03 - AP30DA	D31 - APU30DA	D39 - APU586DA
D04 - AP34DA	D32 - APU52DA	D40 - APU900DA
D05 - AP52DA	D33 - APU73DA	D41 - APU1213DA
D06 - AP73DA	D34 - APU103DA	D42 - APU2366DA
D07 - AP103DA	D35 - APU148DA	D43 - APU2958DA
D08 - AP148DA	D36 - APU222DA	D44 - APU3720DA



Pneumatic Actuator Options

A - Solenoid Pilot Valve, 120AC
 A2 - Solenoid Pilot Valve, 24VAC
 A3 - Solenoid Pilot Valve, 24VDC
 A4 - Solenoid Pilot Valve, 12VDC
 B - Limit Switch, 2 SPDT Switches (145820.01)
 B2 - Limit Switch, 2 SPDT Switches (NEMA 4, 4x, 7, 9)
 C - Pneu Positioner w/gauges 3-15psi (40N-S1N-SF)
 D - Electro-Pneu Positioner, 4-20 mA (41N-E1N-SF)
 F - Fail "Open"